

WaveAerospace



X-5B Huntress

WaveAerospace builds unmanned aircraft that carry our customer's most critical payloads. What differentiates our aircraft from other aerial systems is our ability to fly in wind & weather that grounds other aircraft. Whether your mission is BVLOS reconnaissance, communications, tactical logistics, or airspace denial we fly day or night.

Built on the same proprietary platform as our hybrid aircraft, the X-5B Huntress flies outside the inherent design limitations of winged and wingless rotorcraft. Payload agnostic. Your mission determines the aircraft's configuration—from long-range, low radar profile, to VTOL off the deck of a ship in Force 10 conditions. The X-5B Huntress is ready to fly on your schedule, and WaveAerospace's unmatched support & maintenance means that the aircraft is always airworthy. Fly *during the storm*, not after.

Huntress Aircraft Abilities:

- True heavy-weather, high-wind VTOL
- Low-level, terrain tracking
- On-board optical recognition engine
- All electric, emission free turbine
- Optional 66,000 lumen searchlight

Mission Profiles:

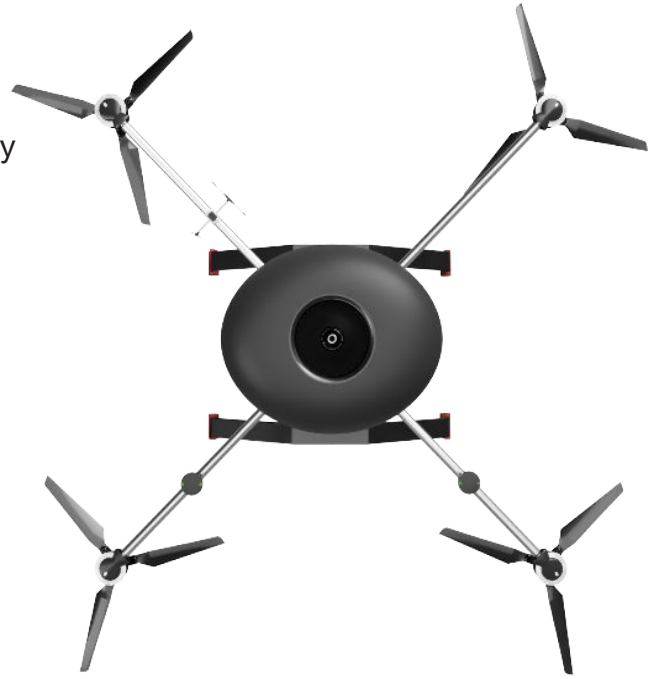
- Marine operations
- Embedded, heavy-weather recon
- Search and rescue
- BVLOS operations
- On demand critical logistics

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Falcon II LE Performance Highlights:

- Diagonal Size: 1950 mm (77 in)
- Propellers: 3-blade, 610 mm (24 in) prebalanced Carbon Fiber
- Maximum Flight Time (standard payload): 60 Minutes
- Maximum Takeoff Weight (MTOW): 45 kg (100 lbs)
- Power Source: Redundant, Solid-State Lithium Battery
- Maximum Payload Capacity: 22.5 kg (50 lbs)
- Maximum Airspeed: 49 m/s (95 Knots)
- Wind Resistance: 39 m/s (75 Knots)
- All-Weather Ingress Protection: IP66
- Approaching Personell Safety Cutoff
- Automatic Integrated Fire Suppression
- Maximum Altitude: 6,000 m (20,000 ft)



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Huntress II Turbojet Performance Highlights:

- Hybrid electric/fuel power system (Jet-A1/JP-8)
- Maximum speed (Vne): Mach 0.4
- Maximum takeoff weight (MTOW): 130 kg
- Maximum payload: 50+ kg depending on fuel load
- Maximum wind: Force 10 ocean conditions
- Dimensions: 4-meter span
- Maximum mission duration: 120 minutes
- Service ceiling: 6000 meters MSL

